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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

November 07, 2013

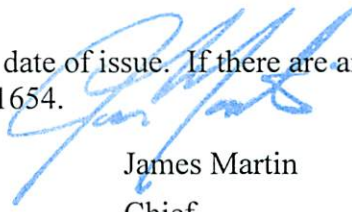
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-2500036, issued to BRC OPERATING COMPANY, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: PLUM CREEK SOUTH FORK (PC;  
Farm Name: PLUM CREEK TIMBERLANDS, L

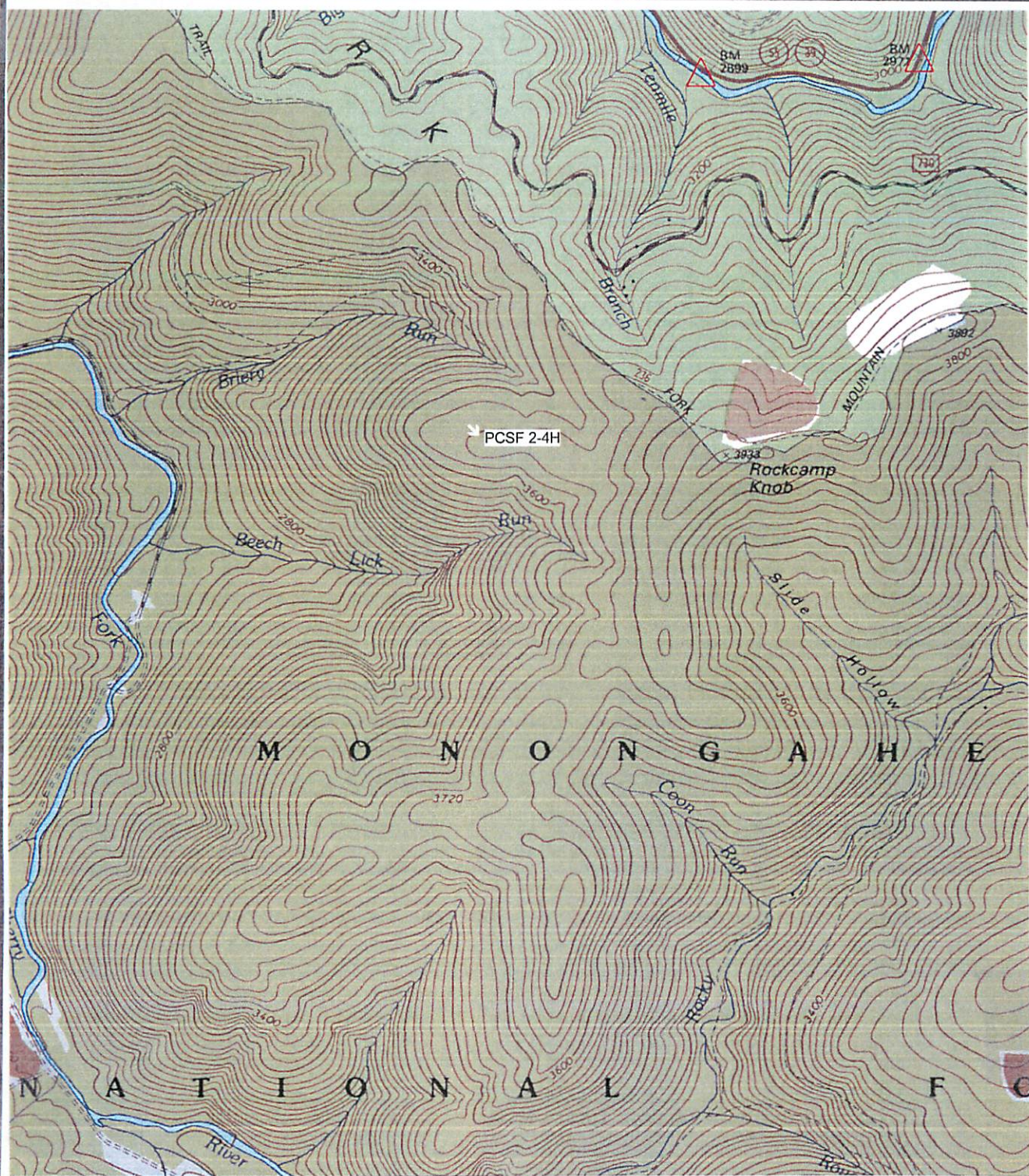
**API Well Number: 47-2500036**

**Permit Type: Plugging**

Date Issued: 11/07/2013

**Promoting a healthy environment.**





## LOCATION MAP

BRC Operating Company, LLC  
PCSF 2-4H

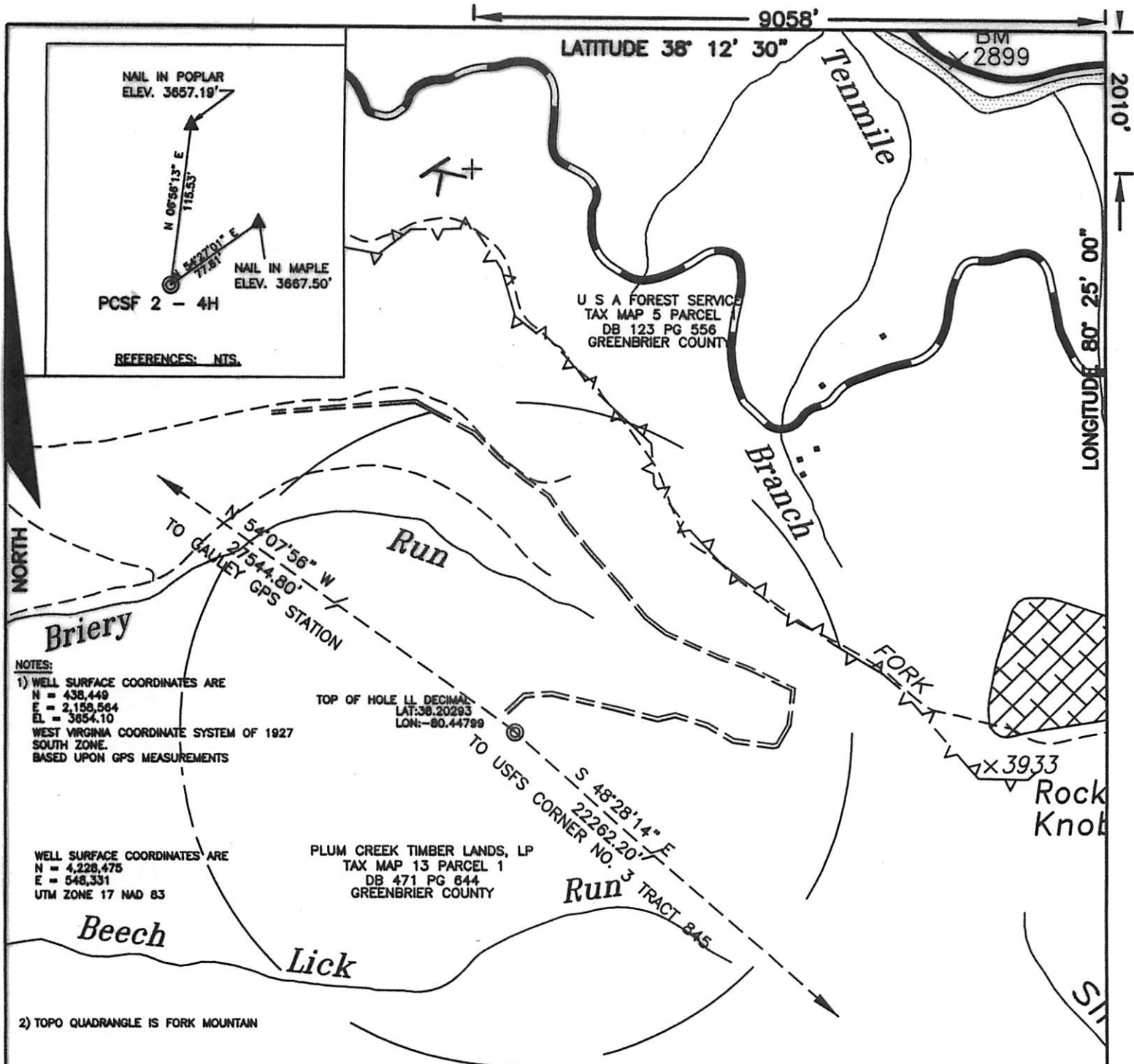
Location: Falling Springs District  
Greenbrier County, WV

New Tech / Carr Environmental Group  
2000 Town Center Blvd, Suite 220  
Canonsburg, PA 15317  
T 724.745.5929 F 724.745.7876  
[www.ntceg.com](http://www.ntceg.com)

RECEIVED  
Office of Oil and Gas  
NOV 01 2013

WV Department of  
Environmental Protection  
NTCEG





NOTES:  
 1) WELL SURFACE COORDINATES ARE  
 N = 438,449  
 E = 2,158,564  
 EL = 3654.10  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927  
 SOUTH ZONE  
 BASED UPON GPS MEASUREMENTS

WELL SURFACE COORDINATES ARE  
 N = 4,228,475  
 E = 548,331  
 UTM ZONE 17 NAD 83

2) TOPO QUADRANGLE IS FORK MOUNTAIN

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC

FILE NO. W10-290-1813  
 DRAWING NO. W10-290-A90  
 SCALE 1"=1000'  
 MINIMUM DEGREE OF  
 ACCURACY 1:2500  
 PROVEN SOURCE OF  
 ELEVATION GPS  
GLOBAL POSITIONING SYSTEM

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT  
 IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF  
 AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND  
 THE REGULATIONS ISSUED AND PRESCRIBED BY THE  
 DIVISION OF ENVIRONMENTAL PROTECTION.

(SIGNED) R. Craig Dunlap

PROFESSIONAL SURVEYOR No. 1841



WVDEP  
 OFFICE OF OIL AND GAS  
 1356 HANSFORD ST.  
 CHARLESTON, WV 25301



DATE OCTOBER, 2013  
 OPERATOR'S WELL NO. PCSF 2 - 4H  
 API WELL NO. 47-025 00036H

WELL TYPE: OIL    GAS X CBM    LIQUID INJECTION    WASTE DISPOSAL     
 (IF "GAS,") PRODUCTION X STORAGE    DEEP    SHALLOW X  
 LOCATION: ELEVATION 3654± WATERSHED SOUTH FORK OF CHERRY RIVER  
 DISTRICT FALLING SPRINGS COUNTY GREENBRIER  
 QUADRANGLE FORK MOUNTAIN ACREAGE 21527  
 SURFACE OWNER PLUM CREEK TIMBERLANDS, LP LEASE ACREAGE 21527  
 OIL & GAS ROYALTY OWNER HIGHLAND RESOURCES INC., & BRC APPALACHIAN MINERALS I, LLC., & OXY USA, INC.  
 PROPOSED WORK: DRILL X CONVERT    DRILL DEEPER    REDRILL    FRACTURE OR STIMULATE     
 PLUG OFF OLD FORMATION    PERFORATE NEW FORMATION    OTHER PHYSICAL CHANGE     
 IN WELL (SPECIFY) CONDUCTOR PIPE INSTALLED 130 FEET DEEP  
 PLUG AND ABANDON X CLEAN OUT AND REPLUG     
 TARGET FORMATION Drilling Operations Curtailed  
 ESTIMATED DEPTH TVD = 130'

WELL OPERATOR BRC OPERATING COMPANY, LLC  
 ADDRESS 200 CRESCENT COURT, SUITE 200  
DALLAS, TX 75201

DESIGNATED AGENT MARC MONTELEONE  
 ADDRESS 600 QUARRIER STREET  
CHARLESTON, WV 25325